

US 12 / SR 124 Interchange Footprint Study

Preliminary Concept A: Diamond Interchange



Example of a Diamond Interchange

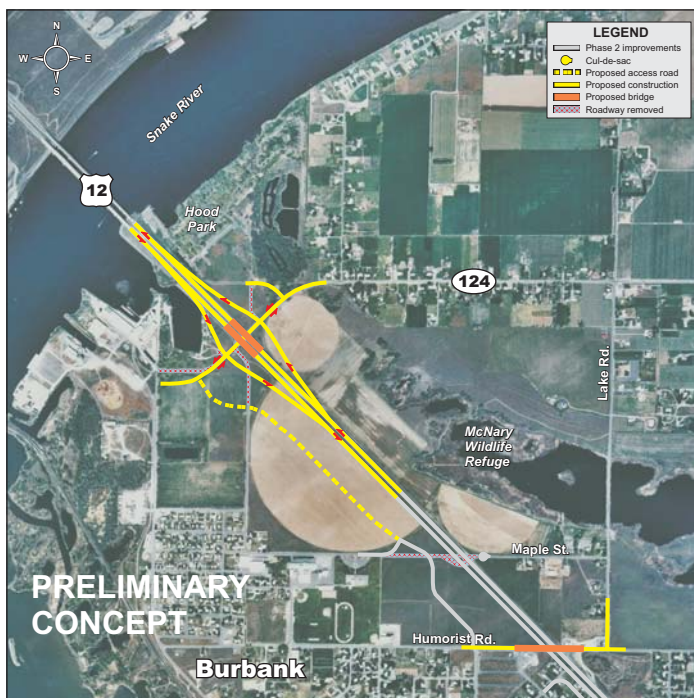
The diamond is the most common interchange type in the United States. It is a simple and widely recognized design.

Estimated cost: \$ 14–18 million
(This estimate includes engineering, right of way, and construction costs.)

Features:

- SR 124 crosses over US 12.
- Traffic signals should not be required initially, but could be added at the ramp intersections on SR 124 as traffic volumes increase in the future.
- Compared to the other three concepts, the diamond interchange has the greatest impact on the McNary Wildlife Refuge.

Preliminary Concept B: Tight Diamond Interchange



Example of a Tight Diamond Interchange

The tight diamond is a narrower variation of the diamond interchange with the ramps moved closer to US 12.

Estimated cost: \$ 16–20 million
(This estimate includes engineering, right of way, and construction costs.)

Features:

- US 12 crosses over SR 124.
- This concept requires less additional property than the diamond or PARCLO interchange.
- Elevating US 12 requires additional reconstruction of the highway.
- There is limited space to extend left-turn lanes on SR 124. This constraint could restrict future expansion of the interchange.
- Traffic signals should not be required initially, but could be added at the ramp intersections on SR 124 as traffic volumes increase in the future.